

IN THE CLAIMS

1. (currently amended) A control lever safety apparatus for a heavy equipment, comprising:

a rotatable first support;

a consol box ~~which is fixed to the first support for tiltably~~ installed at one side ~~surfaces of a driver's seat and has~~ , the consol box having a control lever for operating an ~~work~~ apparatus;

a safety lever ~~which is~~ rotatably fixed to a the first support ~~to which the consol is~~ fixed;

a consol box tilting lever ~~which is~~ rotatably fixed to the first support;

an operation switch assembly ~~which is~~ rotatably connected ~~with a~~ by joint members ~~fixed to a~~ on the first support ~~to be link-moved with the consol box tilting lever and~~ horizontally supporting the safety lever ~~and for disconnects aing power of from~~ a first limit switch connected with the control lever by downwardly tilting the safety lever ~~when the~~ or rotating the consol box tilting lever is rotated; and

a latch assembly ~~which is~~ connected to a ~~rod connected with a joint method on the basis of a link movement method and~~ consol box tilting lever for disconnects ~~aing power of from~~ a second limit switch ~~disconnected with the control lever by tilting the consol box in an upper direction~~ when the consol box tilting lever is rotated and the consol box tilted upward ~~rotated, in such a manner that a latch fixed to the first support is detachably engaged to the second support in which a driving seat is fixed.~~

2. (currently amended) The apparatus of claim 1, ~~wherein in the case that~~ and further comprising means for disconnecting an electrical signal to the control lever when power from at least one of the first and second limit switches is ~~disconnected, an electrical signal supplied to the control lever is~~ disconnected.

3. (currently amended) The apparatus of claim 1, ~~wherein a~~ and further comprising lifting and lowering means ~~adapted to lift and lower~~ for the consol box ~~includes comprising:~~

a handle shaft ~~which is~~ fixed to a bracket ~~formed in~~ a side surface of ~~the~~ a second support and ~~has~~ing an adjusting knob ~~formed in~~ one end ~~of the same~~ and has a threaded portion ~~in~~ an outer surface; and

a pair of link members ~~which are~~ adapted to adjust the height of the control lever in such a manner that each hinge connection portion is engaged to a ~~the~~ threaded portion of the handle shaft, and the rotary shaft ~~formed in a front side of the second support is lifted and lowered about a hinge shaft formed in a rear side of the second support as a center axis in a rotation direction of the handle shaft.~~

4. (currently amended) The apparatus of claim 1, wherein said operation switch assembly includes:

a first joint ~~which~~ hasing one end hinged to a lower portion of the consol box tilting lever and ~~is~~ fixed to the first support;

a second joint ~~which~~ hasing one end hinged to the other end of the first joint and has an elongated hole in the other end of the same;

a locking shaft ~~which is~~ engaged to the elongated hole and ~~is~~ connected to a lever adapted to turn on and off the power of a first limit switch; and

an elastic member ~~which~~ supporting the locking shaft in order for the power of the first limit switch to maintain an on state and ~~maintains~~ the safety lever ~~in a~~ the horizontal ~~direction as an initial state based on an elastic bias operation.~~

5. (currently amended) The apparatus of claim 1, wherein said latch assembly includes:

a first latch ~~which is~~ hinged to the other end of a rod and ~~is~~ rotatably fixed to a second support ~~in which a driver's~~ on the seat is engaged;

a second latch ~~which~~ has ing a locking groove detachably engaged to the locking shaft fixed to the second support and ~~is~~ rotatably fixed to the second support;

an elastic member ~~which closely~~ contacts ing the second latch to an outer surface of the first latch and engages the locking groove with respect to the second latch based on an elastic bias operation as an initial state; and

a gas spring ~~which is~~ fixed to the second support and the first support ~~and escapes for~~ the second latch from the locking shaft based on a movement tilting of the rod when the consol box tilting lever is rotated and turns off the power of the second limit switch upward.

6. (currently amended) A control lever safety apparatus for a heavy equipment, comprising:

a rotatable first support;

a consol box ~~which is installed at one side~~ surfaces of a driver's seat and ~~has~~ the consol box having a control lever for operating an work apparatus;

a first limit switch ~~which is~~ connected with the control lever;

a safety lever ~~which is~~ rotatably fixed to a the first support ~~to which the consol box is~~
fixed;

a locking shaft ~~which is connected with~~ and lever ~~adapted~~ to turn on and off ~~the~~ power
of the first limit switch; and

an elastic member ~~which~~ supporting the locking shaft ~~in order for~~ to maintain the
power of the first limit switch ~~to maintain an on state and maintains~~ the safety lever in a
horizontal direction ~~based on an elastic bias operation as an initial state thereby disconnecting~~
a and turn the power of a first limit switch off by rotating the locking shaft when the safety
lever is rotated.

7. (canceled)

8. (canceled)